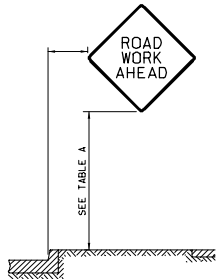
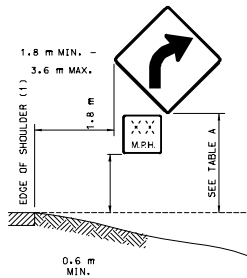


(1) EDGE OF TRAVELED WAY WHERE THERE IS NO PAVED OR STABILIZED SHOULDER.



HEIGHT AND LATERAL LOCATIONS FOR POST AND PORTABLE SIGN MOUNTING

WORK ZONE ACTIVITY	SIGN CLASSIFICATION	MOUNTING METHOD	MINIMUM MOUNTING HEIGHT
DAYTIME OPERATIONS	WARNING	1, 2	2.1 m
		3, 4	300 mm
	GUIDE AND REGULATORY	1, 2	2.1 m
		3, 4	1.5 m
NIGHTTIME OPERATIONS	WARNING, GUIDE AND REGULATORY	1, 2	2.1 m
		3, 4	1.5 m
INACTIVE OR CONTINUOUS OPERATIONS	WARNING, GUIDE AND REGULATORY	1, 2, 4	2.1 m

WORK ZONE ACTIVITY:  
 DAYTIME OPERATION - AN ACTIVITY WHERE WORKERS ARE PRESENT ANY TIME FROM DAWN TO DUSK.  
 NIGHTTIME OPERATION - AN ACTIVITY WHERE WORKERS ARE PRESENT ANY TIME FROM DUSK TO DAWN.  
 INACTIVE OPERATION - NO ACTIVITY OCCURRING ON SITE IN WORK ZONE (DAY, NIGHT, WEEKEND, OFF-SEASON OR OTHER EXTENDED PERIOD OF TIME).  
 CONTINUOUS OPERATION - AN ACTIVITY WHERE SIGNS REMAIN IN PLACE 24 HOURS OR LONGER.

SIGN CLASSIFICATION:  
 REFER TO STANDARD DRAWING 616.10, SHEET 5 OF 5.

MOUNTING METHOD:  
 1. POST - GROUND-MOUNTED SIGN SUPPORT SYSTEM WITH RIGID SIGN SUBSTRATE.  
 2. PORTABLE - SKID-MOUNTED OR OTHER SIGN SUPPORT SYSTEM WITH RIGID SIGN SUBSTRATE PERMITTED WHERE POST MOUNTING IS NOT FEASIBLE.  
 3. TEMPORARY - LIGHTWEIGHT SIGN SUPPORT SYSTEM WITH ROLL-UP OR RIGID SIGN SUBSTRATE.  
 4. BARRIER - SIGN SUPPORT SYSTEM WITH ROLL-UP OR RIGID SIGN SUBSTRATE PERMITTED WHERE BARRIER IS PRESENT. MUST ASSURE POSITIVE CONNECTION TO BARRIER WITHOUT POTENTIAL FOR VEHICLE SNAGGING.

MOUNTING HEIGHT:  
 VERTICAL HEIGHT OF SIGN MEASURED FROM THE BOTTOM OF THE SIGN TO THE NEAR EDGE OF PAVEMENT.

TABLE A  
WORK ZONE SIGN MOUNTING REQUIREMENTS

SIGN AREA (SQ. m)	POST TYPE		
	U-CHANNEL	WOOD	PERF. SQUARE STEEL TUBING
≤ 0.90	1 - 4.5 kg/m *	1 - 100mm X 100mm *	1 - 50.8mm 12 GA. *
> 0.90 ≤ 1.44	2 - 4.5 kg/m	2 - 100mm X 100mm 1 - 100mm X 150mm	2 - 50.8mm 12 GA.
> 1.44 ≤ 2.16	2 - 4.5 kg/m	2 - 100mm X 150mm	3 - 50.8mm 12 GA. **
> 2.16 ≤ 2.70	3 - 4.5 kg/m	2 - 100mm X 150mm	N/A
> 2.70 ≤ 4.50	N/A	2 - 150mm X 150mm	N/A

\* SIGNS GREATER THAN 1.2m IN WIDTH, EXCEPT DIAMOND SHAPE SIGNS, REQUIRE TWO POSTS.

\*\* REQUIRES SLIP BASE PER MANUFACTURER'S RECOMMENDATION.

TABLE B  
POST SIZE REQUIREMENTS

#### GENERAL NOTES:

ALL DIMENSIONS ARE SHOWN IN mm UNLESS OTHERWISE NOTED.

ALL SIGN SUPPORT SYSTEMS SHALL COMPLY WITH CRASH TEST REQUIREMENTS OF NCHRP 350 TEST LEVEL 3 EXCEPT FOR THOSE MOUNTED ON BARRIERS.

LONGITUDINAL SPACING OF SIGNS SHOWN IN THE PLANS ARE PREFERRED MINIMUMS, BUT MAY BE ADJUSTED TO MEET EXISTING FIELD CONDITIONS WITH APPROVAL FROM THE ENGINEER.

SIGNS MOUNTED ON PORTABLE OR TEMPORARY SUPPORTS MAY BE PLACED WITHIN THE ROADWAY ITSELF WITH THE APPROVAL OF THE ENGINEER.

SIGNS SHALL NOT BE MOUNTED IN OR ON CHANNELIZERS.

ALL POSTS AND SIGNS SHALL BE INSTALLED AND MAINTAINED IN A PLUMB POSITION.

ALL POSTS SHALL BE EMBEDDED A MINIMUM OF 1.0 m.

BRACING OF SUPPORT POSTS NOT ALLOWED.

SIGNS MOUNTED ON TEMPORARY SIGN SUPPORT SYSTEMS SHALL BE WITHIN 30° OF A VERTICAL POSITION FOR DAYTIME OPERATIONS AND WITHIN 5° OF A VERTICAL POSITION FOR NIGHTTIME OPERATIONS.

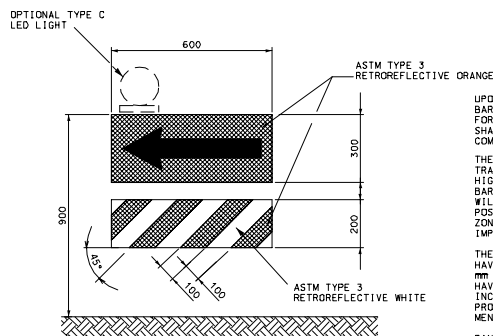
CONSTRUCTION SIGNS SHALL NOT BE LOCATED ON SIDEWALKS, BICYCLE LANES, OR AREAS DESIGNATED FOR PEDESTRIAN OR BICYCLE TRAFFIC.

SUPPORT POST SHALL NOT EXTEND ABOVE THE SIGN UNLESS NEEDED FOR WARNING LIGHT ATTACHMENT.

ALL BATTERY PACKS SEPARATE FROM WARNING LIGHT SHALL BE MOUNTED ON A SUPPORT POST NO HIGHER THAN 450 mm ABOVE GROUND LINE. IF USED, WARNING LIGHTS SHALL NOT COVER ANY PORTION OF THE SIGN FACE.

REFER TO STANDARD DRAWING 903.03 FOR INSTALLATION DETAILS OF U-CHANNEL, WOOD AND PERFORATED SQUARE STEEL TUBE POSTS.

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DIRECTION INDICATOR BARRICADE

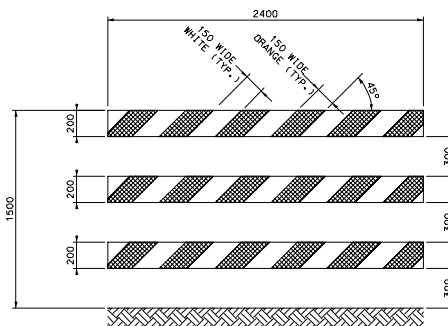
UPON APPROVAL FROM THE ENGINEER, DIRECTION INDICATOR BARRICADES MAY BE USED IN LIEU OF DRUM-LIKE CHANNELIZERS FOR MERGE TAPERS ONLY. DIRECTION INDICATOR BARRICADES SHALL NOT BE USED IN SHIFTING TAPERS. NO ADDITIONAL COMPENSATION WILL BE MADE.

THE BARRICADE SHALL BE MANUFACTURED SPECIFICALLY FOR TRAFFIC CONTROL PURPOSES AND SHALL BE FABRICATED FROM HIGH-DENSITY POLYETHYLENE (HDPE) PLASTIC. EACH BARRICADE SHALL HAVE A SPRINGLOADED MECHANISM THAT WILL LOCK THE VERTICAL MEMBER INTO A PERPENDICULAR POSITION TO THE PAVEMENT WHEN DEPLOYED IN THE WORK ZONE AND IN A PARALLEL POSITION TO THE PAVEMENT UPON IMPACT.

THE BARRICADE FRAME SHALL CONSIST OF VERTICAL MEMBERS HAVING NOMINAL DIMENSIONS OF 700 mm WIDE BY 975 mm HIGH BY 75 mm DEEP AND HORIZONTAL FEET HAVING NOMINAL DIMENSIONS OF 900 mm LONG BY 68.75 mm INCHES HIGH BY 50 mm DEEP. EACH FOOT SHALL BE PROVIDED WITH A MEANS TO REDUCE UNINTENTIONAL MOVEMENT OF THE BARRICADE ACROSS THE PAVEMENT.

PANELS SHALL BE RECESSED WITHIN THE CONTOUR OF THE VERTICAL FRAME MEMBERS. A TOP AND BOTTOM PANEL SHALL BE FURNISHED FOR BOTH SIDES OF EACH BARRICADE. ONE SIDE OF EACH OF THESE PANELS SHALL BE SHEETED AS SHOWN WHILE THE OTHER SIDE SHALL REMAIN UNSHEETED. THE SHEETED SIDE OF THE PANELS SHALL ONLY BE DISPLAYED ON THE TRAFFIC SIDE OF THE BARRICADE. THE UNSHEETED SIDE OF THE PANELS SHALL BE DISPLAYED ON THE SIDE OF THE BARRICADE WHEN THAT SIDE IS NOT USED TO DIRECT THE MOVEMENT OF TRAFFIC.

THE BARRICADE SHALL BE DESIGNED TO RESIST OVERTURNING BY MEANS OF HORIZONTAL FEET HAVING A MINIMUM WEIGHT OF 2-27 KILOGRAMS. THE BARRICADE SHALL BE CAPABLE OF HANDLING ADDITIONAL BALLASTS. BALLASTS SHALL BE PLACED ONTO THE UPSTREAM FEET OF THE DEVICE WHEN USED.



TYPE III MOVABLE BARRICADE

TYPE III MOVABLE BARRICADES SHALL CONSIST OF THREE HORIZONTAL PANELS MOUNTED TO SUPPORTS IN SUCH A MANNER THAT THE ENTIRE ASSEMBLY IS CAPABLE OF REMAINING UPRIGHT AND ENTIRELY FREE STANDING.

THE SUPPORT STRUCTURE SHALL CONSIST OF A MINIMUM OF TWO UPRIGHTS CAPABLE OF KEEPING THE PANELS SECURELY ATTACHED IN THE DESIGNATED ARRANGEMENT. THE UPRIGHTS SHALL BE MOUNTED TO A BASE CAPABLE OF SUPPORTING THE ENTIRE ASSEMBLY WHILE REMAINING COMPLETELY PORTABLE.

THE PANELS SHALL CONSIST OF A SUBSTRATE OF HIGH-DENSITY POLYETHYLENE, WOOD, OR OTHER APPROVED MATERIAL SHEETED WITH ASTM TYPE 7 RETROREFLECTIVE MATERIAL.

ONE TYPE III MOVABLE BARRICADE WILL BE REQUIRED TO COMPLETELY CLOSE EACH 2.4 m OF TRAVELED WAY WIDTH.

NOMINAL DIMENSIONS WILL BE ALLOWED FOR DIMENSIONAL LUMBER.

NO SIGNS OR LIGHTING DEVICES SHALL BE MOUNTED OR ATTACHED TO TYPE III MOVABLE BARRICADES.

WHERE A BARRICADE ARRAY EXTENDS ACROSS A ROADWAY, THE STRIPES SHALL SLOPE DOWNWARD IN THE DIRECTION TOWARD WHICH TRAFFIC MUST TURN OR PASS.

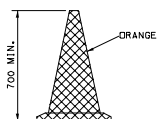
WHERE BOTH RIGHT AND LEFT VEHICULAR MOVEMENTS ARE PROVIDED, THE STRIPES SHALL SLOPE DOWNWARD IN BOTH DIRECTIONS FROM THE CENTER OF THE BARRICADE ARRAY.

WHERE NO VEHICULAR MOVEMENTS ARE PROVIDED, THE STRIPES SHALL SLOPE DOWNWARD TOWARD THE CENTER OF THE BARRICADE ARRAY.

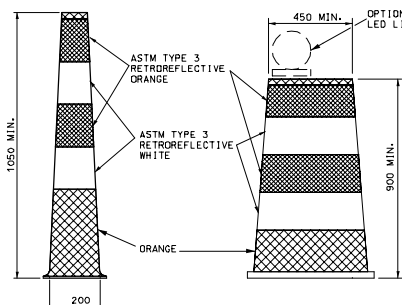
MARKING SHALL ONLY BE APPLIED TO TRAFFIC SIDE OF BARRICADE.

CONES SHALL MAINTAIN THEIR SHAPE UPON EXPOSURE TO NORMAL WORK CONDITIONS.

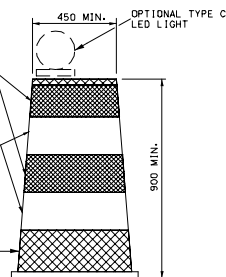
CONES SHALL BE USED DURING DAYLIGHT HOURS ONLY.



CONE



TRIM-LINE



DRUM-LIKE

CHANNELIZERS

STRIPES ON TRIM-LINE CHANNELIZERS SHALL BE 150mm TO 200mm. STRIPES ON DRUM-LIKE CHANNELIZERS SHALL BE 100mm TO 150mm.

VERTICAL DIMENSIONS DO NOT INCLUDE PROJECTIONS DESIGNED FOR EASE OF HANDLING.

MARKINGS ON CHANNELIZERS SHALL BE HORIZONTAL, CIRCUMFERENTIAL, ALTERNATING ORANGE AND WHITE RETROREFLECTIVE STRIPES. EACH CHANNELIZER SHALL HAVE A MINIMUM OF TWO ORANGE AND TWO WHITE STRIPES WITH THE TOP STRIPE BEING ORANGE LOCATED NO MORE THAN 100 mm FROM THE TOP. ANY NON-REFLECTORIZED SPACES BETWEEN THE HORIZONTAL ORANGE AND WHITE STRIPES SHALL NOT EXCEED 50 mm WIDE.

DRUM-LIKE CHANNELIZERS SHALL HAVE CLOSED TOPS THAT WILL NOT ALLOW COLLECTION OF CONSTRUCTION OR OTHER DEBRIS.

TRIM-LINE CHANNELIZERS SHALL BE MANUFACTURED FROM LOW DENSITY POLYETHYLENE PLASTIC.

UPON APPROVAL FROM THE ENGINEER, TRIM-LINE CHANNELIZERS MAY BE USED IN LIEU OF DRUM-LIKE CHANNELIZERS IN RAMP AREAS AND INTERSECTIONS WHERE SIGHT DISTANCE MAY BE OBSTRUCTED BY USING DRUM-LIKE CHANNELIZERS AND IN LONGITUDINAL SECTIONS OF CHANNELIZATION WHERE THERE IS INADEQUATE LATERAL CLEARANCE TO USE DRUM-LIKE CHANNELIZERS. TRIM-LINE CHANNELIZERS SHALL BE PLACED AT ONE-HALF THE SPACING OF DRUM-LIKE CHANNELIZERS. NO ADDITIONAL COMPENSATION WILL BE MADE.

#### GENERAL NOTES:

ALL DIMENSIONS ARE SHOWN IN mm UNLESS OTHERWISE NOTED.

BALLAST FOR TRAFFIC CONTROL DEVICES SHALL CONFORM TO MANUFACTURERS' RECOMMENDATION FOR FIELD CONDITIONS.

IF REQUIRED BY THE ENGINEER OR SPECIFIED ON THE PLANS, EACH DIRECTION INDICATOR BARRICADE OR DRUM-LIKE CHANNELIZER SHALL BE EQUIPPED WITH ONE TYPE C LED PORTABLE LIGHT UNIT. IF USED, THE LIGHT UNIT AND BATTERY COMPARTMENT SHALL BE FURNISHED BY THE DEVICE MANUFACTURER OR OTHERWISE MEET THE MANUFACTURER'S RECOMMENDATIONS FOR DESIGN AND WILL BE REQUIRED ON ALL DEVICES IN THE SERIES.

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LOCATION OF ACTIVITY (I.E. WORKERS, EQUIPMENT, MATERIAL)	POSTED SPEED GREATER THAN 55 MPH		POSTED SPEED LESS THAN OR EQUAL TO 55 MPH	
	PROTECTED	UNPROTECTED	PROTECTED	UNPROTECTED
BEYOND 30' OF EOTP	POSTED	POSTED	POSTED	POSTED
10' TO 30' OF EOTP	POSTED	POSTED-10	POSTED	POSTED
WITHIN 10' OF EOTP	POSTED	POSTED-10	POSTED	POSTED-10
IN TRAFFIC LANE OF MULTILANE FACILITY	POSTED-10	POSTED-20 (MIN. 45 MPH)	POSTED-10	POSTED-10
2 LANE / 2 WAY OPERATION				
BEYOND 3 m OF EOTP	POSTED	POSTED-10 (MIN. 55 MPH)	POSTED	POSTED
WITHIN 3 m OF EOTP	POSTED	POSTED-20 (MIN. 45 MPH)	POSTED	POSTED-10
1 LANE / 2 WAY OPERATION	35 MPH (60 km/h) (1)			
TEMPORARY CLOSURE WITH FLAGGER	35 MPH (60 km/h) (1)			

LEGEND:

"EOTP" = EDGE OF THROUGH PAVEMENT

"PROTECTED" INDICATES THAT ACTIVITY IS PHYSICALLY SHIELDED BY A CRASH-WORTHY DEVICE (TRAFFIC BARRIER, GUARD RAIL, IMPACT ATTENATORS, ETC.).

"UNPROTECTED" INDICATES THAT ACTIVITY IS NOT SHIELDED BY A CRASH-WORTHY DEVICE. IT MAY ONLY BE DELINEATED BY CHANNELIZING DEVICES OR PAVEMENT MARKINGS.

"POSTED" INDICATES POSTED (EXISTING) SPEED PRIOR TO WORK ACTIVITY.

"POSTED-XX" INDICATES A REDUCTION IN THE SPEED LIMIT BY THE AMOUNT SHOWN IN MPH.

\* CONDITIONS MAY ALLOW FOR SPEEDS GREATER THAN 35 MPH.

WORK ZONE SPEED LIMIT

GENERAL NOTES:

REDUCED SPEEDS SHALL NOT BE BELOW 35 MPH EXCEPT WHEN LOCAL ORDINANCE PROVIDES FOR A LOWER SPEED, THE LOWER SPEED WILL BE USED WHEN APPLICABLE.

ON DIVIDED HIGHWAYS, THE REDUCED SPEED IS APPLICABLE TO THE AFFECTED DIRECTION OF TRAVEL ONLY. WHEN TRAFFIC ON DIVIDED HIGHWAYS IS DETOURED TO A HEAD-TO-HEAD OPERATION, THE SPEED LIMIT SHALL BE "POSTED-10" MPH.

IF A SPEED REDUCTION IS USED, EXISTING SPEED LIMIT SIGNS WITHIN THE WORK ZONE SHALL BE COVERED OR REMOVED. SPEED LIMIT SIGNS INDICATING THE NORMAL SPEED LIMIT SHALL BE INSTALLED AT THE END OF THE WORK ZONE, PROVIDED NO FURTHER WORK ZONES WILL BE ENCOUNTERED WITHIN THE NEXT ½ MILE.

IF THERE ARE GEOMETRICS IN THE WORK ZONE THAT REQUIRE A LOWER SPEED THAN THE SPEED INDICATED IN THE CHART (I.E. TEMPORARY BYPASSES, NARROW LANES, ETC.), APPROPRIATE WARNING SIGNS WITH ADVISORY SPEED PLATES SHALL BE USED TO ADVISE OF THIS SPECIALIZED SITUATION.

TEMPORARY SPEED LIMIT SIGNS AND REDUCED SPEED AHEAD SIGNS SHALL BE COVERED OR REMOVED WHEN THE CONDITIONS REQUIRING REDUCED SPEEDS DO NOT EXIST.

SPECIAL ACTIVITY WITHIN A WORK ZONE MAY REQUIRE A LOWER SPEED LIMIT THAN THE GENERAL WORK ZONE SPEED LIMIT. THE FURTHER REDUCED SPEED LIMIT SHALL BE EFFECTIVE ONLY FOR THE DURATION OF THAT SPECIAL ACTIVITY.

FOR SPEED REDUCTIONS GREATER THAN 20 MPH, THE SPEED LIMIT SHOULD BE REDUCED IN TWO STAGES.

DEVIATIONS FROM THIS CHART SHALL BE DOCUMENTED.

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SIGN		SIZE	AREA	LETTER SIZE			COLOR		DESCRIPTION	SIGN		SIZE	AREA	LETTER SIZE			COLOR		DESCRIPTION																		
		(mm)	(sq ft)	LINE 1 (mm)	LINE 2 (mm)	LINE 3 (mm)	SYM. LEG. BKG.	BACK GROUND				(mm)	(sq ft)	LINE 1 (mm)	LINE 2 (mm)	LINE 3 (mm)	SYM. LEG. BKG.	BACK GROUND																			
WARNING SIGNS																			REGULATORY SIGNS																		
W20-4	900X900	0.81	125C	125C	125C	BK	FL. OR	ONE LANE ROAD AHEAD	(2) (6)	R1-1	1200X1200	1.19	400C	----	----	WH	RD	STOP	(2)																		
W20-5	900X900	0.81	125C	125C	125C	BK	FL. OR	RIGHT LANE/CENTER LANE/LEFT LANE CLOSED AHEAD (2) (6) (7)	(1)	R1-2	1200 TR1	0.62	100C	----	----	RD	WH	YIELD	(1)																		
W20-6a	900X900	0.81	150C	150C	150C	BK	FL. OR	RIGHT/CENTER/LEFT LANE CLOSED	(5) (6) (7)	R1-3	500X225	0.11	100C	----	----	WH	RD	4-WAY (PLAQUE)	(3)																		
W21-4	900X900	0.81	125D	125D	125D	BK	FL. OR	ROAD WORK AHEAD	(2) (6)	R1-5	500X225	0.11	100D	----	----	WH	RD	3-WAY (PLAQUE)	(5)																		
W22-6e	525X375	0.20	75D	75D	ARROW	BK	FL. OR	WET PAINT (ARROW PIVOTS)	(5) (6)	R2-1	900X1200	1.08	150E	150E	350E	BK	WH	SPEED LIMIT XX	(1)																		
W21-1L	1200X1200	1.44	----	----	----	BK	OR	TURN (SYMBOL LEFT ARROW)	(2)	R2-5a	900X1200	1.08	200B	200C	200C	BK	WH	REDUCED SPEED AHEAD	(2)																		
W21-1R	1200X1200	1.44	----	----	----	BK	OR	TURN (SYMBOL RIGHT ARROW)	(2)	R3-1	1200X1200	1.44	----	----	----	BK/RD	WH	NO RIGHT TURN (SYMBOL)	(2)																		
W21-2L	1200X1200	1.44	----	----	----	BK	OR	CURVE (SYMBOL LEFT ARROW)	(2)	R3-2	1200X1200	1.44	----	----	----	BK/RD	WH	NO LEFT TURN (SYMBOL)	(2)																		
W21-2R	1200X1200	1.44	----	----	----	BK	OR	CURVE (SYMBOL RIGHT ARROW)	(2)	R3-3	900X900	0.81	250D	200D	----	BK	WH	NO TURNS	(2)																		
W21-3L	1200X1200	1.44	----	----	----	BK	OR	REVERSE TURN (SYMBOL LEFT ARROW)	(2)	R3-4	1200X1200	1.44	----	----	----	BK/RD	WH	NO U-TURN (SYMBOL)	(2)																		
W21-3R	1200X1200	1.44	----	----	----	BK	OR	REVERSE TURN (SYMBOL RIGHT ARROW)	(2)	R3-7L	750X750	0.56	100C	125C	100C	BK	WH	LEFT LANE MUST TURN LEFT	(2)																		
W21-4L	1200X1200	1.44	----	----	----	BK	OR	REVERSE CURVE (SYMBOL LEFT ARROW)	(2)	R3-7R	750X750	0.56	100C	125C	100C	BK	WH	RIGHT LANE MUST TURN RIGHT	(2)																		
W21-4R	1200X1200	1.44	----	----	----	BK	OR	REVERSE CURVE (SYMBOL RIGHT ARROW)	(2)	R4-1	900X1200	1.08	200D	200D	200D	BK	WH	DO NOT PASS	(2)																		
W21-4DL	1200X1200	1.44	----	----	----	BK	OR	DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT ARROWS)	(4)	R4-2	900X1200	1.08	200C	200C	200C	BK	WH	PASS WITH CARE	(2)																		
W21-4DR	1200X1200	1.44	----	----	----	BK	OR	DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT ARROWS)	(4)	R4-7aL	900X1200	1.08	200D	ARROW	200D	BK	WH	KEEP LEFT (HORIZONTAL ARROW)	(2)																		
W21-4CL	1200X1200	1.44	----	----	----	BK	OR	TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT ARROWS)	(4)	R4-7aR	900X1200	1.08	200D	ARROW	200D	BK	WH	KEEP RIGHT (HORIZONTAL ARROW)	(2)																		
W21-4CR	1200X1200	1.44	----	----	----	BK	OR	TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT ARROWS)	(4)	R4-17aL	900X900	0.81	200D	200D	----	BK	WH	KEEP LEFT	(5)																		
W21-6	1200X600	0.72	----	----	----	BK	OR	HORIZONTAL ARROW (SYMBOL)	(2)	R4-17aR	900X900	0.81	200D	200D	----	BK	WH	KEEP RIGHT	(5)																		
W21-6a	1800X900	1.62	----	----	----	BK	OR	HORIZONTAL ARROW (SYMBOL ON BARRICADE)	(3)	R5-1	750X750	0.56	100D	----	100D	RD	WH	DO NOT ENTER	(1)																		
W21-7	1200X600	0.72	----	----	----	BK	OR	DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	(2)	R5-1a	900X600	0.54	150E	----	----	WH	RD	WRONG WAY	(1)																		
W21-7a	1800X900	1.62	----	----	----	BK	OR	DOUBLE HEAD HORIZONTAL ARROW (SYMBOL ON BARRICADE)	(3)	R6-1L	1200X450	0.54	140D	----	----	BK	WH	ONE WAY ARROW (LEFT)	(1)																		
W21-8	450X600	0.27	----	----	----	BK	OR	CHEVRON (SYMBOL)	(2)	R6-1R	1200X450	0.54	140D	----	----	BK	WH	ONE WAY ARROW (RIGHT)	(1)																		
W21-8a	900X1200	1.08	----	----	----	BK	OR	CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	(2)	R6-2L	600X750	0.45	150D	ARROW	BK	WH	ONE WAY (LEFT)	(1)																			
W23-1	1200X1200	1.44	250D	250C	----	BK	OR	STOP AHEAD	(2)	R6-2R	600X750	0.45	150D	150D	ARROW	BK	WH	ONE WAY (RIGHT)	(1)																		
W23-2	1200X1200	1.44	250C	250C	----	BK	OR	YIELD AHEAD	(2)	R10-6	600X900	0.54	125D	75D	125D	BK	WH	STOP HERE ON RED (45° ARROW)	(2)																		
W23-3	1200X1200	1.44	RED	YELLOW	GREEN	BK	OR	SIGNAL AHEAD (SYMBOL)	(1)	R11-2	1200X750	0.90	200D	200D	----	BK	WH	ROAD CLOSED	(2)																		
W24-1L	1200X1200	1.44	----	----	----	BK	OR	MERGE (SYMBOL FROM LEFT)	(1)	R11-3a	1500X750	1.13	150C	125C	100C	BK	WH	ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY	(2)																		
W24-1R	1200X1200	1.44	----	----	----	BK	OR	MERGE (SYMBOL FROM RIGHT)	(1)	R11-4	1500X750	1.13	150C	125C	150C	BK	WH	ROAD CLOSED TO THRU TRAFFIC	(2)																		
W25-1	1200X1200	1.44	200D	200D	----	BK	OR	ROAD NARROWS	(2)	R12-3b	900X900	0.81	150D	150B	150C	BK	WH	TO ONCOMING TRAFFIC (PLAQUE)	(5)																		
W25-3	1200X1200	1.44	200C	200C	----	BK	OR	ONE LANE BRIDGE	(2)	S4-4	900X375	0.34	100D	100D	----	BK	WH	WHEN FLASHING	(2)																		
W25-5	1200X1200	1.44	200C	200C	----	BK	OR	NARROW LANES	(5)	STOP/SLOW	450 OCT.	150C/150B	----	----	----	WH/BK	RD/OR	STOP/SLOW PADDLE (STOP/SLOW)	(2)																		
W26-1	1200X1200	1.44	----	----	----	BK	OR	DIVIDED HIGHWAY (SYMBOL)	(2)	CONST-3A	1500X1200	1.80	125E	125E	125C/125D	BK	WH	FINE SIGN (SEE LEGEND AT RIGHT)	(5)																		
W26-2	1200X1200	1.44	----	----	----	BK	OR	DIVIDED HIGHWAY END (SYMBOL)	(2)	CONST-3X	1425X225	----	150C	----	----	BK	WH	SPEEDING/PASSING (PLATE)	(5)																		
W26-3	1200X1200	1.44	----	----	----	BK	OR	TWO WAY TRAFFIC (SYMBOL)	(1)	SUPPLEMENTAL PLATES FOR WARNING SIGNS																											
W27-3a	600X450	0.27	100C	100C	----	BK	OR	NEXT XX MILES (PLAQUE)	(2)	W25-6	500X150	----	125C	----	----	BK	FL. OR	BRIDGE/RAMP (PLATE) (USE WITH W21-4)	(5) (6)																		
W28-1	1200X1200	1.44	300D	----	----	BK	OR	BUMP	(2)	W225-1a	650X225	----	150C	----	----	BK	OR	1000 FT/1500 FT (PLATE)	(5)																		
W28-2	1200X1200	1.44	300E	----	----	BK	OR	DIP	(2)	W225-1b	850X225	----	200D	----	----	BK	OR	500 FT/1000 FT (PLATE)	(5)																		
W28-3	1200X1200	1.44	200C	200C	----	BK	OR	SOFT SHOULDER	(2)	W225-1c	850X225	----	175D	----	----	BK	OR	500 FT/1000 FT (PLATE)	(5)																		
W28-4	1200X1200	1.44	200C	200C	----	BK	OR	SLIPPERY WHEN WET (SYMBOL)	(2)	W225-6	700X225	----	175C	----	----	BK	OR	BRIDGE/RAMP (PLATE) (USE WITH W21-4 OR W25-1)	(5)																		
W28-5	1200X1200	1.44	200C	200C	----	BK	OR	TRUCK CROSSING	(2)	GUIDE SIGNS																											
W28-6	1200X1200	1.44	200C	200C	----	BK	OR	TRUCK ENTRANCE	(5)	E05-1	1500X1200	1.80	250D	ARROW	----	BK	OR	GOPE EXIT	(5)																		
W28-6e	1200X1200	1.44	200C	200C	----	BK	OR	TRUCK ENTRANCE	(5)	G020-1	1500X600	0.90	125D	125D	----	BK	OR	ROAD WORK NEXT XX MILES	(4)																		
W28-7	900X900	0.81	150D	150D	----	BK	OR	LOOSE GRAVEL	(2)	G020-2a	1200X600	0.72	150C	150C	----	BK	OR	END ROAD WORK	(2)																		
W28-9	1200X1200	1.44	200C	200C	----	BK	OR	LOW SHOULDER	(4)	G020-4	900X450	0.41	125C	125C	----	BK	OR	PILDT CAR FOLLOW ME	(2)																		
W28-9a	1200X1200	1.44	200C	200C	----	BK	OR	SHOULDER DROP-OFF	(4)	G023-1	900X300	0.27	150C	----	----	BK	OR	WORK ZONE (PLAQUE)	(5) (8)																		
W28-11	1200X1200	1.44	200D	200D	----	BK	OR	UNEVEN LANES	(4)	M04-1	600X300	0.18	100B	----	----	BK	OR	ALTERNATE (PLAQUE)	(1)																		
W28-12	900X900	0.81	150D	150D	150D	BK	OR	NO CENTER STRIPE	(3)	M04-6	600X300	0.18	150B	----	----	BK	OR	DETOUR (PLAQUE)	(1)																		
W10-1	1050 RND.	0.87	225E	----	----	BK	YL	RAILROAD CROSSING	(3)	M04-8a	600X450	0.27	125C	125C	----	BK	OR	END DETOUR	(4)																		
W12-1	600X600	0.36	----	----	----	BK	OR	DOUBLE DOWN ARROW (SYMBOL)	(5)	M04-9L	1200X900	1.08	200D	ARROW	----	BK	OR	DETOUR (LEFT ARROW)	(2)																		
W12-2	1200X1200	1.44	400D	----	----	BK	OR	LOW CLEARANCE (SYMBOL)	(5)	M04-9R	1200X900	1.08	200D	ARROW	----	BK	OR	DETOUR (RIGHT ARROW)	(2)																		
W12-2x	600X450	0.27	125D	75C	----	BK	OR	LOW CLEARANCE (PLAQUE)	(5)	M04-10L	1200X450	0.54	150D	----	----	BK	OR	DETOUR (ARROW LEFT)	(2)																		
W12-3a,b	3600X600	2.16	400D	300D	----	BK	OR	OVERHEAD LOW CLEARANCE (FEET AND INCHES)	(5)	M04-10R	1200X450	0.54	150D	----	----	BK	OR	DETOUR (ARROW RIGHT)	(2)																		
SPECIAL	3000X1500	4.50	200E	250E	200E	BK	OR	LOW CLEARANCE XX'XX" XX MILES AHEAD	(5)	M5-1L	525X375	0.20	----	----	----	BK	WH	ADVANCE LEFT TURN ARROW	(1)																		
SPECIAL	3000X1500	4.50	200E	250E	200E	BK	OR	WIDTH RESTRICTION XX'XX" XX MILES AHEAD	(5)	M5-1R	525X375	0.20	----	----	----	BK	WH	ADVANCE RIGHT TURN ARROW	(1)																		
W13-1	600X600	0.36	250E	100E	----	BK	OR	ADVISORY SPEED (PLAQUE)	(2)	M6-1	525X375	0.20	----	----	----	BK	WH	TURN ARROW	(1)																		
W20-2	1200X1200	1.44	200D	200D	----	BK	OR	DETOUR AHEAD	(2)	M6-3	525X375	0.20	----	----	----	BK	WH	STRAIGHT ARROW	(1)																		
W20-3	1200X1200	1.44	175D	175D	175D	BK	OR	ROAD CLOSED AHEAD	(2)	NOTES:																											
W20-4	1200X1200	1.44	175C	175C	175C	BK	OR	ONE LANE ROAD AHEAD	(2)	(1) SEE STANDARD PLAN 903.02 FOR SIGN LAYOUT.																											
W20-5	1200X1200	1.44	150C	150C	150C	BK	OR	RIGHT LANE/CENTER LANE/LEFT LANE CLOSED AHEAD (2) (7)	(7)	(2) LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA.																											
W20-6a	1200X1200	1.44	175D	175D	175D	BK	OR	RIGHT/CENTER/LEFT LANE CLOSED	(5) (7)	(3) SIGN DEPICTION, ARROW, BORDERS AND SPACING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA.																											
W20-7a	1200X1200	1.44	----	----	----	BK	OR	FLAGGER (SYMBOL)	(2)	(4) REFER TO THE LATEST EDITION OF MUTCD PART VI BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA FOR SIGN DEPICTION, ARROW, BORDERS AND SPACING SHALL CONFORM TO THE GUIDELINES SET FORTH IN THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA.																											
W20-7x	600X450	0.27	125D	125D	----	BK	OR	500 FEET/1000 FEET (PLAQUE)	(2)	(5) ARROW, BORDERS AND SPACING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA.																											
W20-7b	1200X1200	1.44	200C	200C	200C	BK	OR	BE PREPARED TO STOP	(4)	(6) BACKGROUND SHALL BE TYPE 3 FLUORESCENT ORANGE REFLECTIVE SHEETING.																											
W20-9c	1200X1200	1.44	200D	200D	----	BK	OR	OPEN TRENCH	(5)	(7) USE OF A SUPPLEMENTAL PLATE FOR LINE 1 IS ACCEPTABLE.																											
W21-2	1200X1200	1.44	200D	200D	----	BK	OR	FRESH OIL	(3)	(8) PLAQUE AND APPLICABLE REGULATORY SIGN MAY BE MANUFACTURED AS ONE SIGN.																											
W21-4	1200X1200	1.44	175D	175D	175D	BK	OR	ROAD WORK AHEAD	(5)																												
W21-5b	1200X1200	1.44	175C	175C	175C	BK	OR	SHOULDER WORK AHEAD	(5)																												
W21-7	900X900	0.81	150D	150D	----	BK	OR	SAND BLASTING	(5)																												
W22-1	1200X1200	1.44	175C	175C	175C	BK	OR	BLASTING ZONE 1000 FT	(2)																												
W22-2	1050X900	0.95	100E	100E	100E	BK	OR	TURN OFF 2-WAY RADIO AND PHONE	(4)																												
W22-3	1050X900	0.95	175C	175C	175C	BK	OR	END BLASTING ZONE	(4)																												
W25-5	750X300	0.23	150C	----	----	BK	OR	1/2 MILE/1 MILE (PLAQUE)	(5)																												

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